in 1964, in the form of geological surveys followed by a number of reconnoitry and semi-detailed traverses across the entire territory. Subsequently, systematic mapping of all exposed structures through remote sensing techniques have been undertaken. Besides these gravity magnetic and aero-magnetic surveys of the area have also been conducted.

The date generated thus far has brought out the complex geological setting in this part of Assam-Arakan fold belt.

(c) Does not arise in view of reply to parts (a) and (b) above.

Modified N-Reactor at Kaiga

1380. SHRI SURYABHAN PATIL VAHADANE: Will the PRIME MINISTER be pleased to state:

(a) whether Government's attention has been drawn to a news-item titled "Modified N-Project Awaits Clearance" published in the Hindustan Times dated the 3rd October 1996, cautioning against repetition of the mistake by making another design of a reactor dam at Kaiga, with only some minor modifications, the portion of which had collapsed earlier; and

(b) if so, what are the details thereof and what necessi ated Government to consider the same gn?

THE MINISTER OF STATE OF THE MINISTRY OF PLANNING AND PROGRAMME IMPLEMENTATION AND MINISTER OF STATE OF THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI YOGINDER K. ALAGH):

(a) and (b) Yes Sir. The news item mainly relates to the alleged faulty design that led to delamination of a portion of the reactor dome of Unit-I of the Kaiga Atomic Power Project leading to delay in the completion and increase in the cost of the project. It also alleges that the same design is being used with some minor modifications. The imputations made in the said news report are incorrect. Complete re-engineering of the dome of Kaiga-II has been carried out which takes due consideration of the deficiencies which could have contributed to the delaminations. The re-design provides for adequate margin to take care of any eventualities. The re-engineering of Unit-1 dome is one hand and will be implemented after appropriate regulatory approval.

World Bank Aided Power Projects

1381. SHRI BHAGABAN MAJHI: Will the PRIME MINISTER be pleased to state:

(a) the details of the World Bank aided power projects in the country;

(b) whether the world Bank has laid down certain terms and conditions for funding the power projects;

(c) if so, the details thereof; a

(d) what is the Government's reaction thereto?

THE MINISTER OF STATE IN THE MINISTRY OF POWER AND MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (DR. S. VENUGOPALACHARI): (a) Details of major power projects being executed with World Bank assistance are given in Statement (*see* below).

(b) to (d) World Bank has been suggesting from time to time various measures to improve the working of the power sector which, inter-alia, include viability of the State Electricity Boards, commercialisation of operations of Central Public Sector Undertakings, establishment of independent regulators etc. The Government have also been concerned with these issues and have been providing assistance in this regard to the various entities involved.

Statement

Sl. No.	Loan No.	Name of Project	Project Cost (Rs.) in Crores	Loan Amount Million US $	Capacity/ (State)	Status of Projects
1	2	3	4	5	6	7
NTPC						
1.	2844-IN	National Capital Power Project (Dadri)	1669.210	322.830	4×210 MW Thermal Units 817 MW-GA Units(UP)	All Units Commissioned
2.	2845-IN	Talchar Thermal Power Project	2592.180	295.100	2×500 MW Thermal Units (Orissa)	Both Units Commissioned
3.	3632-IN	Time Slice Loan for Power Generation Projects	4063.960	400.000		
		(a) Vindhyachal-II			2×500 MW Thermal Units (MP)	Work in Progress 1st Unit to be commissioned by Feb., 2001.

1	2	3	4	5	6	7
		(b) Kaymkulam			400 MW 2×119.6 MW Gas Units 1×45 MW Thermal Units (Kerala)	Major contracts Awarded 1st Unit to be commissioned by March, 1999. 2nd Unit by May 1999, and 3rd Unit by March, 2000.
POWERGRID						
4.	3577-IN	Powergrid System Development Project Transmission lines related to existing Vindhyachal Proj. of NTPC & Southern Region system Coordination Centre.	2368.577	350.000	400 KV. (MP, Maharashtra, AP, Karnataka)	Lines to be completed by Dec., 97 & coordination centre by Feb., 2000.
5.	3237-IN	Northern Region Transmission Project Transmission Lines & Northern Region system coordination centre at Delhi.	1882.330	485.00	400/800 KV, (Punjab, Haryana, Rajasthan J&K. UP & HP)	Moga-Hissar-Bhiwani Hissar-Jaipur Hissar-Bawana Lines completed. Nathpa Jhakri & Kishenour Mooa Lines in progress expected to be completed by Oct., 1999 & coordination centre by March, 2000.
6.	2726-IN	Northern Region Transmission Project Consultancy for Naptha Jhakri Transmission Lines (Japanese Grant)	1882.330	148.500 J. Yen.	400 KV. (Punjab, Haryana, Rajasthan J & K, UP & HP)	Consultancy Project Over.
7.	2845.IN	Talchar Transmission Project.	Included in Gen. Proj. of NTPC	31.420	400 KV. (Orissa)	Lines commissioned.

1	2	3	4	5	6	7
POWER FINANCE CORPORATION.						
8.	3436-IN	Power Utilities Eff. Improvement project.	1963.640	265.00	Not applicable. Multistate project. (AP, MP, Gujarat, Haryana, Rajasthan & Durgapur Prj. Ltd.)	There are fifty one sub proj. all awarded & in various Stages of completion in different States.
9.	3630.IN	Technical Assistance for Pvt. Power	71.260	20.000	Not applicable Multistate Project. (AP, Gujarat, Tamilnadu & Haryana)	There are ten sub projects of consultancy
MAHARASTHRA						
10.	3096-IN	Maharasthra Power Proj. Koyana Hydro Electric Project.	1118.000	354.000	4×250 MW	1st Unit to likely to be commissioned by April, 98.
11.	3498-IN	Second Maharashtra Power project. HUDC Line, Consultancy & Resettlement of Earth-Quake Affected viliages. Chandrapur Unit 7	1887.410	350.000	Not applicable.	Line under consideration likely to be completed by Jan., 1998. Consultancy projects almost over. Chandrapur Unit to be commissioned by Aug., 1997. Loan suspended for not meeting convenants.
NATHPAR JHAKRI POWER CORPN.						
12.	3024-IN	Napthajhakri Hydro Electric Projects.	4337.950	485.000	6×250 MW (HP)	All Major Awards Placed. Civil works in progress. 1st Unit likely to be commissiioned by June, 2001.
ORISSA						
13.	4014-IN	Orissa Power Sector restructuring Proj.	Not available	350.000	Not applicable	Follow up on Orissa restructuring undertaken.